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( $\text{m}^2/\text{s}$ ), and  $\alpha$  is the thermal diffusivity ( $\text{m}^2/\text{s}$ ). In an LES,  $\nu$  and  $\alpha$  can be replaced with  $k_m$  and  $k_h$ , respectively. So, we set to match the adiabatic lapse rate ( $10\text{K}/\text{km}$ ) of the atmosphere so that = RESULT . 1th, 2024 One-dimensional turbulence modeling for cylindrical and ... ODT model in cylindrical and spherical coordinates is presented here. The model is written in terms of a geometric factor so that planar, cylindrical, and spherical configurations are represented in the same way. Temporal and spatial versions of the model are presented. A Lagrangian, finite volume implementation is used with a dynamically adaptive ... 4th, 2024.

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